

component ink

937UV LED M series



(low halogen)
Eco-friendly design
No added acute toxic materials

Application Field

Glass, Metal, Ceramics, etc.

Since the above materials may be different in

chemical structure or production method, it is necessary to test whether the ink is suitable before printing. Antistatic agents, release agents, and sliding additives may have a negative effect on adhesion, so they must be detected and removed before printing.

Shelf Life

Stored in the original packaging at 21 degrees Celsius, unopened can be stored for 2 to 3 years, used as soon as possible within 12 months after opening.

Ink Characteristics: After the LED-UV is cured, no additional heat treatment is required. The 937UV-LED ink series is suitable for multi-color printing, suitable for chemical resistance and cosmetic agents. Compared with traditional UV-curable inks, it can achieve the best Adhesion and scratch resistance. It takes about 72 hours (stored at room temperature) to achieve water resistance and dishwasher, ice water or frost resistance performance. If the storage temperature is lower than 21 °C, it will prolong the setting time.

Color Range:

This series contains 10 reference colors, which can be mixed with each other to produce a wide range of colors. The commonly used standard on the market is Pantone.

Fine Cause Color Matching Service:

Please provide Pantone color number or printed materials.

Precautions:

For further safety, preservation, and environmental issues, please refer to the Material Safety Data Sheet (MSDS)

Website: www.finecause.com.tw/support.php?catId=12

	White	937UV1055LED		Orange	937UV3359LED
	Black	937UV9074LED		Red	937UV3360LED
	Yellow	937UV2185LED		Pink	937UV3361LED
	Yellow	937UV2186LED		Violet	937UV5416LED
	Blue	937UV5417LED		Green	937UV6158LED

※Above colors only for reference

Additives:

1. Thinner - Added before production, the ink can be adjusted to the appropriate printing viscosity via the addition of thinner.

Reduce viscosity, UV special thinner-920UV-0014LED (maximum addition amount 2-5%)

Increase curing, ultraviolet special active thinner-937UV-0010LED (maximum addition amount 4-8%)

Operation Suggestions:

1. Many glass containers have a cold end coating (CEC) on the surface to improve the scratch resistance of the surface. Therefore, in order to obtain good ink adhesion on the glass, the glass surface needs to be treated with flame, Pyrosil, and UVITRO. According to different hot and cold end coatings, it should be tested before production.

2. 937UV LED ink series is suitable for all screen printing equipment on the market.

Curing Conditions:

1. Suitable for LED-UV curing lamps, the intensity (radiation of ultraviolet light) is at least 8W/cm² and the wavelength is 395nm.

2. With proper LED-UV curing, there is no need for additional final curing using conventional UV.

3. It should be noted that low radiation intensity, high machine speed, or excessive film thickness may negatively affect ink curing and adhesion.

4. The 937UV-LED series is highly reactive and avoids direct sunlight.



▲ LED-UV curing lamp, easy to use and super convenient to install



▲ Ceramic mug

▲ Glass



▲ Glass jar



▲ Metal

RUACO inks 937UV LED M series

Website: <https://www.finecause.com/products/category7>